

|          | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>   | <b>DBs</b>                                |
|----------|------------|-------------|--|---|
| <b>1</b> | <b>L1</b>  | <b>1272</b> | <b>257/786.ccls.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>2</b> | <b>L2</b>  | <b>30</b>   | <b>1 and ((thermal with<br/>via\$1) and (ball\$1<br/>bump\$1))</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>3</b> | <b>L3</b>  | <b>730</b>  | <b>1 and (ball\$1 bump\$1)</b>                                     | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>4</b> | <b>L4</b>  | <b>4558</b> | <b>(257/737,738,778,784).c<br/>cls.</b>                            | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>5</b> | <b>L5</b>  | <b>3698</b> | <b>4 and (ball\$1 bump\$1)</b>                                     | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>6</b> | <b>L6</b>  | <b>1974</b> | <b>5 and (center\$2<br/>central\$2)</b>                            | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>7</b> | <b>L7</b>  | <b>1694</b> | <b>6 not 3</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |

|           | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>  | <b>DBs</b>                                |
|-----------|------------|-------------|---|---|
| <b>8</b>  | <b>L8</b>  | <b>92</b>   | <b>7 and (thermal\$2 with<br/>(vias (via adj hole\$1)<br/>(through adj hole\$1)))</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>9</b>  | <b>L9</b>  | <b>1602</b> | <b>7 not 8</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>10</b> | <b>L10</b> | <b>482</b>  | <b>9 and ground</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>11</b> | <b>L11</b> | <b>1756</b> | <b>(257/691,698).ccls.</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>12</b> | <b>L12</b> | <b>1558</b> | <b>11 not (3 8 10)</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>13</b> | <b>L13</b> | <b>718</b>  | <b>12 and (ball\$1 bump\$1)</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>14</b> | <b>L14</b> | <b>391</b>  | <b>13 and (center\$2<br/>central\$2)</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |

|           | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>   | <b>DBs</b>  |
|-----------|------------|-------------|--|---|
| <b>15</b> | <b>L15</b> | <b>1</b>    | <b>"6747362".pn.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |
| <b>16</b> | <b>L16</b> | <b>19</b>   | <b>("4688170"   "4887148"  <br/>"5216278"   "5285352"  <br/>"5309024"   "5324985"  <br/>"5355283"   "5367435"  <br/>"5450283"   "5477082"  <br/>"5490324"   "5495397"  <br/>"5506756"   "5650660"  <br/>"5686699"   "5729894"  <br/>"5731630"   "5741729"  <br/>"5895968").PN.</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>17</b> | <b>L17</b> | <b>13</b>   | <b>("5138433"   "5172303"  <br/>"5239198"   "5241133"  <br/>"5285352"   "5293072"  <br/>"5303119"   "5308443"  <br/>"5442230"   "5450290"  <br/>"5468999"   "5523622"  <br/>"5541450").PN.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>18</b> | <b>L18</b> | <b>8</b>    | <b>("4420203"   "5770889"  <br/>"5877553"   "6444563"  <br/>"6452262"   "6498055"  <br/>"6512680"  <br/>"6562661").PN.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>19</b> | <b>L19</b> | <b>8</b>    | <b>("4420203"   "5770889"  <br/>"5877553"   "6444563"  <br/>"6452262"   "6498055"  <br/>"6512680"  <br/>"6562661").PN.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |

|           | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>   | <b>DBs</b>  |
|-----------|------------|-------------|--|---|
| <b>20</b> | <b>L20</b> | <b>1</b>    | <b>("5703402").PN.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>21</b> | <b>L21</b> | <b>8</b>    | <b>("5498901"   "5543657"  <br/>"5640047"   "5642261"  <br/>"5650660"   "5686699"  <br/>"5723899"  <br/>"5739588").PN.</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>22</b> | <b>L22</b> | <b>2</b>    | <b>("5168368"  <br/>"5468999").PN.</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>23</b> | <b>L23</b> | <b>5052</b> | <b>(257/700,723,724,730,74<br/>7,787).ccls.</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |
| <b>24</b> | <b>L24</b> | <b>4352</b> | <b>(174/250,253,260,261,26<br/>2).ccls.</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |
| <b>25</b> | <b>L25</b> | <b>5867</b> | <b>(361/704,707,719,720,76<br/>0,772,777,783).ccls.</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |

|           | <b>L #</b> | <b>Hits</b>  | <b>Search Text</b>   | <b>DBs</b>                                |
|-----------|------------|--------------|--|---|
| <b>26</b> | <b>L26</b> | <b>1623</b>  | <b>(228/180.21,180.22).cccls</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>27</b> | <b>L27</b> | <b>15103</b> | <b>23 24 25 26</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>28</b> | <b>L28</b> | <b>2521</b>  | <b>27 and<br/>@pd&gt;="20030713"</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>29</b> | <b>L29</b> | <b>1190</b>  | <b>28 and (bump\$1 ball\$1)</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>30</b> | <b>L30</b> | <b>603</b>   | <b>29 and (center\$2<br/>central\$2)</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>31</b> | <b>L31</b> | <b>480</b>   | <b>30 not (3 8 10 14)</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |
| <b>32</b> | <b>L32</b> | <b>25</b>    | <b>31 and (thermal\$2 with<br/>(vias (via adj hole\$1)<br/>(through adj hole\$1)))</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b> |

|           | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>   | <b>DBs</b>  |
|-----------|------------|-------------|--|---|
| <b>33</b> | <b>L33</b> | <b>455</b>  | <b>31 not 32</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |
| <b>34</b> | <b>L34</b> | <b>132</b>  | <b>33 and ground</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T</b>                 |
| <b>35</b> | <b>L35</b> | <b>6</b>    | <b>("5640048"   "5835355"  <br/>"5864470"   "6204448"  <br/>"6404067"  <br/>"6417462").PN.</b> | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>36</b> | <b>L36</b> | <b>323</b>  | <b>33 not 34</b>   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>37</b> | <b>L37</b> | <b>85</b>   | <b>36 and power</b>  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |

|           | <b>L #</b> | <b>Hits</b> | <b>Search Text</b>  | <b>DBs</b>  |
|-----------|------------|-------------|---|---|
| <b>38</b> | <b>L38</b> | <b>10</b>   | ("5506756" "6198635"<br>"6057596" "6037677"<br>"5866942" "5864470"<br>"5801440" "6107685"<br>"6534875"<br>"6285560").pn.  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>39</b> | <b>L39</b> | <b>6</b>    | ("5324985"   "5424492"  <br>"5491364"   "5729894"  <br>"5981873"  <br>"6133134").PN.  | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>40</b> | <b>L40</b> | <b>13</b>   | ("4598166"   "5450290"  <br>"5475264"   "5477933"  <br>"5741729"   "5790384"  <br>"5952726"   "5953213"  <br>"5994766"   "6008534"  <br>"6064113"   "6075710"  <br>"6111756").PN. | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>41</b> | <b>L41</b> | <b>4</b>    | ("5686699"   "5828128"  <br>"5874776"  <br>"5977617").PN.   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |
| <b>42</b> | <b>L42</b> | <b>5</b>    | ("4746966"   "5632631"  <br>"5641988"   "5796169"  <br>"5895968").PN.   | <b>US-<br/>PGPU<br/>B;<br/>USPA<br/>T;<br/>USOC<br/>R</b> |